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(21) International Application Number: PCT/US00/09587 (22) International Filing Date: 10 April 2000 (10.04.00) (30) Priority Data: 60/129,274 14 April 1999 (14.04.99) US (71) Applicant (for all designated States except US): MERCK & CO., INC. [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): PETRUKHIN, Konstantin [RU/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). CASKEY, C., Thomas [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). LI, Wen [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). METZKER, Michael, L. [US/US]; 126 Lincoln Avenue, Rahway, NJ 07065-0907 (US). (74) Common Representative: MERCK & CO., INC.; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).	(81) Designated States: CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>	
(54) Title: NOVEL HUMAN VOLTAGE-GATED POTASSIUM CHANNEL		
(57) Abstract The present invention is directed to novel human DNA sequences encoding a voltage-gated potassium channel, KCNQ5, located in a chromosomal region that contains a gene associated with Stargardt-like macular dystrophy, cone-rod macular dystrophy, and Salla disease.		